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Applicant: Paul A. Farrar

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Sheet 1 of 1

U.S. PATENT DOCUMENTS

**Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
P D	_ 4,273,859 _ 4,789,648		Mones, A., et al. 3 Chow, M., et al.	430 437	315 225	12/31/79 10/28/85	
FOREIGN PATENT DOCUMENTS Translation							
**Examiner Initial	Document Number	Date	Country	Class	Subclass	Yes No	
**Examiner Initial			OTHER DOCUMENTS ng Author, Title, Date, Pertinent Pag				
_ RP	Bohr, M.T., ULSI", <u>IEE</u> E	Bohr, M.T., "Interconnect Scaling - The Real Limiter to High Performance ULSI", <u>IEEE</u> , pp. 241-244, (1995)					
RP	Networks fo	Davis, J., et al., "A Priori Wiring Estimations and Optimal Multilevel Wiring Networks for Portable ULSI Systems", <u>Electronic Components and Technology</u> <u>Conference</u> , pp. 1002-1008, (1996)					
RP	Interconnec	Gwennap, L., "IC Makers Confront RC Limitations, IBM Leads Move to Copper Interconnects; TI Deploys Low-k Dielectic", <u>Microdesign Resources</u> , Microprocessor Report, pp. 14-18, (August 1997)					
RP		Kaanta, C., et al., "Dual Damascene: A ULSI Wiring Technology", <u>VMIC</u> <u>Conference</u> , 144-152, (June 1991)					
RP	Lakshminara Rensselaer	Lakshminarayana, S., "Multilevel Dual Damascene Copper Interconnections", Rensselaer Polytechnic Institute, Ph.d Thesis, pp. 1-205, (1997)					
RA		Licata, T., et al., "Dual Damascene AL Wiring for 256M DRAM", VMIC Conference, 596-602, (June 1995)					
RP	Interconnec	Luther, B., et al., "Planar Copper-Polyimide Back end of the Line Interconnections for ULSI Devices", 1993 Proceedings 10th International VLSI Multilevel Interconnection Conference, pp.15-21, (1993)					
RP	Ryan, J.G. J. Res. De	Ryan, J.G., et al., "The evolution of interconnection technology at IBM", <u>IBM</u> <u>J. Res. Develop., 39(4)</u> , pp. 371-381, (1995)					
RYD	Singer, P. Chips", <u>Se</u>	Singer, P., "New Interconnect Materials: Chasing the Promise of Faster Chips", <u>Semiconductor International</u> , pp. 52-56, (1994)					
\mathbb{R}^{ρ}	Taur, Y., obeyond", II	Taur, Y., et al., "CMOS scaling into the 21st century 0.1 micrometer and beyond", IBM J. Res. Develop., 39(1/2), pp. 245-260, (1995)					
N	Vollmer, B sputtering	Vollmer, B., et al., "Recent advances in the application of collimated sputtering", Thin Solid Films, 247, pp. 104-111, (1994)					

Examiner La Rompey	Date Considered 2-5-03
Substitute Dischasure Statement Form 1970-14491	

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